

---

## SCALING RELATIONS FOR THE HARD COMPONENT OF LIGHT HADRON SCATTERING SPECTRA

R. J. Peterson

*University of Colorado*

---

Much of the high energy portion of continuum spectra from  $(p,p'X)$ ,  $(p,nX)$ ,  $(\pi,\pi X)$ ,  $(\pi,\pi^0X)$  and  $(K,K+X)$  reactions on complex nuclei can be understood as the result of quasifree scattering on single bound nucleons. The kinematic limits of this understanding and the role of attenuations and multiple scattering will be demonstrated by analyses of existing data, and the methods of analysis that yield simple scaling relations will be presented. These methods can serve as reliable models for at least part of the spectra for a wide range of hadron-nucleus cross sections.